

Brahmananda Keshab Chandra College

Post Graduate in Mathematics: Courses Offered

Duration of each course: 6months

Semester	Paper Code	Title of the Paper	Total Marks	Credit Points
I	MAT 215111	Algebra	50	4
	MAT 215112	Linear Algebra	50	4
	MAT 215113	Real Analysis	50	4
	MAT 215114	Complex Analysis	50	4
	MAT 215115	Mechanics	50	4
	MAT 215117 (Practical)	Computer Programming in C	25	2
II	MAT 215121	Topology	50	4
	MAT 215122	Lebesgue Measure and Integration	50	4
	MAT 215123	Functional Analysis	50	4
	MAT 215124	Differential Equation and Generalized Functions	50	4
	MAT 215125	Operation Research and Numerical Analysis	50	4
	MAT 215127 (Practical)	Numerical Analysis with Computer Application	25	2
III	MAT 215231	PDE and Integral Transform	50	4
	MAT 215232	Differential Geometry	50	4
	MAT 215233	Theory of Computation and Graph Theory	50	4
	MAT 215234	Minor Elective I Continuum Mechanics/ Operator Theory and Banach Algebras	50	4
	MAT 215236 (Practical)	Mathematical Modelling	25	2
IV	MAT 215241	Major Elective I Fuzzy Sets and their Applications/ Advanced Topology II	50	4
	MAT 215242	Major Elective II Fundamentals of Mathematical Biology/ Differential Topology	50	4
	MAT 215243	Minor Elective II Fluid Dynamics/Algebraic Topology and Category Theory	50	4
	MAT 215245	Project / Dissertation	50	4
	MAT 215246	Seminar Assignment/ Comprehensive Viva	25	2
		GRAND TOTAL	1000	80